

SHAROV, A.V.

MOLOTOK, A.V.; DMITRIYEV, A.I.; GORBATENKO, A.I.; SHAROYAN-SARINGULYAN, G.P.; MALAKHOV, P.Ye.; KRIVOUKHOV, V.A., doktor tekhn.nauk, red.; GRANOVSKIY, G.I., prof., doktor tekhn.nauk, red.; TRET'YAKOV, I.P., prof., doktor tekhn.nauk, red.; ALEKSEYEV, S.A., dotsent, red.; MALOV, A.N., dotsent, kand.tekhn.nauk, red.; SHAKHATAROV, M.M., dotsent, red.; VOL'SKIY, V.S., red.; GAL'TSOV, A.D., red.; KABANOV, N.Ya., red.; TOLCHENOV, T.V., red.; KHARITONOV, A.B., red.; KHISIN, R.I., red.; SHOR, M.I., red.; SEMENOVA, M.M., red. izd-va; EL'KIND, V.D., tekhn.red.

[Time norms in general machinery manufacturing for applying coats of lacquer; large, medium, and small scale production] Obshchemashinostroitel'nye normativy vremeni na lakokrasochnye pokrytiia; krupnoseriinnye, seriinnye i melkoseriinnye proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 83 p. (MIRA 12:6)

1. Moscow. Nauchno-issledovatel'skiy institut truda. Tsentral'-noye byuro promyshlennykh normativov po trudu. 2. Rabotniki otdela trudovykh normativov Nauchno-issledovatel'skogo instituta traktore-sel'khozmashe (for Molotok, Dmitriyev, Gorbatenko, Sharoyan-Saringulyan, Malakhov).

(Painting, Industrial) (Machinery industry)

BARANOV, B.A.[deceased]; KHISIN, R.I.; SHAPIRO, I.I.; SHAKHNAZAROV,
M.M.; VOLKOV, A.V., kand. tekhn. nauk, retsenzent;
YAKOVLEVA, V.I., red.

[Establishment of technical norms at a machinery plant]
Tekhnicheskoe normirovanie na mashinostroitel'nom zavode.
[By] B.A.Baranov i dr. Moskva, Mashinostroenie, 1964.
610 p. (MIRA 17:12)

VENGLINSKIY, V.V.; DENISENKO, K.V.; SOTSKOV, A.A.; SHPIGEL', A.M.;
GORDON, Kh.I., inzh., retsenzent; SHAKHNAZAROV, M.M.,
retsenzent; DAYON, A.Ye., inzh., red.; PETUKHOVA, G.N., red.
izd-va; TIKHANOV, A.Ya., tekhn. red.

[Establishing technical norms in the instrument industry]
Tekhnicheskoe normirovanie truda v priborostroenii; spra-
vochnoe posobie. Moskva, Mashgiz, 1962. 511 p.

(MIRA 15:9)

(Instrument industry—Production standards)

SHAKHNAZAROV, M. N.; LAKISOVA, O. V.; GARBER, M. M. (Simferopol')

Results of the clinical study of the new Soviet preparation, etafen, for the prevention and treatment of stenocardia. Vrach. delo no.3:143-145 Mr '62. (MIRA 15:7)

1. Kafedra diagnostiki vnutrennikh bolezney (zav. - prof. A. B. Shakhnazarov) i gospital'noy terapii (zav. - prof. P. A. Tepper) lechebnogo fakul'teta Krymskogo meditsinskogo instituta.

(VASODILATORS) (ANGINA PECTORIS)

YANOVITSKIY, M.G., SHAKHNAZAROV, M.S.

Some features of the diagnosis and course of myocardial infarct in pulmonary tuberculosis. [with summary in French]. Probl.tub. 36
no.6:64-69 '58 (MIRA 11:10)

1. Iz Tsentral'nogo instituta kurortologii (dir. - kand.med.nauk G.N. Pospelova) i sanatoriya No.14 Vladimirskoy oblasti (glavnyy vrach N.I. Gusak).

(TUBERCULOSIS, PULMONARY, compl.
myocardial infarct, diag. & course (Rus))
(MYOCARDIAL INFARCT, compl.
pulm. tuberc. (Rus))

CHEREMUKHIN, A.D.; KOPEYKO, I.P.; SHAKINIAZAROV, M.S.; GUSAK, N.I.

Preparation of patients for surgical cautery of pleural adhesions
in the sanatorium. Sov.med. 25 no.6:130-131 Je '61. (MIRA 15:1)

1. Iz sanatoriya No.14 Ivanovskogo territorial'nogo upravleniya
kurortami, sanatoriyami i domami otdykha Ministerstva zdravookhraneniya
RSFSR (glavnyy vrach N.I.Gusak). (ANESTHESIA)
(PLEURA SURGERY)

SHAKHNAZAROV, Nikolay Samsanovich. Prinimali uchastiye: ABRAMYAN, S.A.;
IBRAGIMOV, B.G.; KOCHAROV, S.S.; MARTIROSOV, G.A.; MKRTCHYAN,
R.A. MUSTAFAYEVA, S., red.; MIRKISHIYEVA, S., tekhn.red.

[The Nagorno-Karabakh Autonomous Province] Nagorno-Karabakhskaya
avtonomnaya oblast'. Baku, Azerbaidzhanское gos.izd-vo, 1960.
83 p. (MIRA 13:12)

1. Pervyy sekretar' Nagorno-Karabakhskogo obkoma Kommunisticheskoy
partii Azerbaydzhana (for Shakhnazarov).
(Nagorno-Karabakh Autonomous Province)

NAZAROV, S.N.; SHAKHNAZAROV, R.A.; AZIMOV, P.K.; ALIDZHANOV, G.A.

Results of edge water flooding of the Khodzhiabad deposit and efficient artificial methods used in Fergana. Uzb. geol. zhur. no.4:12-23 '60. (MIRA 13:10)

1. Institut geologii i razrabotki neftyanykh i gazovykh mestorozhdeniy AN UzSSR i Ferganskiy neftekombinat.
(Fergana--Oil fields--Production methods)

SHISHKIN, A.A., doktor tekhn. nauk, prof., SHASHINAZAROV, R.B., inzh.

Study of the causes of crack formation in exterior brick walls
with local bulges. Anal. prikl. aviar. i povr. stroi. kon. no. 2:56-77
'64. (MIRA 13:5)

SHAKHNAZAROV, R.S., inzh.

Study of the causes of crack formation in interior bearing walls of apartment houses in the series II-20-01 of the Special Architectural Design Bureau and I-511 of the Special Architectural Design Bureau. Anal. prich. avar. i povr. stroi. kon. no. 2:78-101
'64. (MIRA 18:5)

1 02081-11 EWT(M)/EWP(W)/I/EWP(L)/ETI/EWP(X) IJP(C) JD/TW
ACC NR: AP6032456 SOURCE CODE: UR/0129/66/000/009/0037/0038

AUTHOR: Baranov, S. M.; Shakhnazarov, Yu. V.

ORG: Leningrad Mechanical Institute (Leningradskiy mekhanicheskiy institut)

TITLE: Relative effectiveness of some methods of thermomechanical treatment of steels

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 9, 1966, 37-38

TOPIC TAGS: *cryogenic metalworking, high temperature thermomechanical treatment, low temperature thermo-*
mechanical treatment, combined thermomechanical treatment, metalworking,
metal heat treatment, steel, mechanical properties

ABSTRACT: The effectiveness of high temperature thermomechanical treatment (HTMT), low temperature thermomechanical treatment (LTMT), and combined thermomechanical treatment (CTMT) has been compared. Three low alloy structural steels, A(0.41% C, 1.02% Si, 0.40% Mn, 1.23% Cr, 1.63% Ni, 0.20% Mo, 0.07% V), B(0.40% C, 1.03% Si, 1.10% Mn, 0.22% Cr, 1.44% Ni, 0.19% Mo, 0.08% V) and C(0.31% C, 0.24% Si, 0.52% Mn, 1.30% Cr, 3.40% Ni, 0.8% W) were used in tests. All steel specimens were austenitized at 900 C and then either rolled at this temperature with 60—75% reduction and immediately oil quenched (HTMT); cooled to 550 C, rolled at this temperature with 60—65% reduction, and oil quenched (LTMT); or rolled at 900 C with 50—65% reduction, cooled to 550 C, rolled with 25% reduction, and quenched (CTMT). All the specimens were then tempered at 200, 350 and 550 C for 2 hours. The strengthening effect of

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UDC: 621.789:669.14.29

L 02981-67

ACC NR: AP6032456

all three types of TMT was found to depend on chemical composition, primarily on carbon and chromium contents with tempering at 200C and on silicon content with tempering at 350 C. The effectiveness of TMT was evaluated on the basis of "specific strengthening", i.e., increase of yield strength per percent reduction. The specific strengthening produced by CTMT was considerably higher than that of HTMT and equal to or somewhat higher than that of LTMT. For instance, for steels tempered at 200C, the specific strengthening by HTMT, LTMT, and CTMT varied within 0.35—0.50, 0.48—0.63, and 0.47—0.76 kg/mm² to 1% reduction, respectively. The CTMT produces a higher notch toughness after tempering at 200 than LTMT: 5.1, 4.7, and 4.8 kgm/cm² with CTMT comparing to 4.5, 3.3, and 3.8 kgm/cm² with LTMT for A, B, and C steels respectively, while the values of elongation and reduction of area remain approximately the same. Orig. art. has: 1 figure and 4 tables.

SUB CODE: 11/ SUBM DATE: none/ OTH REF: 001/ ATD PRESS: 5099

Card

2/2 *eqs*

ACC NR: AP7000598

(A)

SOURCE CODE: UR/0129/66/000/011/0058/0059

AUTHOR: Shakhnazarov, Yu. V.

ORG: Leningrad Mechanical Institute (Leningradskiy mekhanicheskiy institut)

TITLE: Effect of plastic deformation, refraction and aging on the strength properties of Kh18N9T steel

SOURCE: Metallovedeniya i termicheskaya obrabotka metallov, no. 11, 1966, 58-59

TOPIC TAGS: austentic stainless steel, chromium nickel stainless steel, stainless steel, thermomechanical treatment, stainless steel strengthening, steel mechanical property/Kh18N9T steel

ABSTRACT: The effect of deformation temperature, aging, and refrigeration on the mechanical properties of Kh18N9T stainless steel (AISI-321) has been investigated. The steel was annealed at 1100C and rolled at -196, 20, 500, or 110C with 50% reduction. It was found that rolling at 500C increased the steel strength owing to strain hardening of austenite and precipitation of the strengthening phase. Rolling at 20C strengthened the steel only by strain hardening of austenite. The most significant strength increase, up to 150 kg/mm², was achieved by rolling at -196C. However, rolling at this temperature presented serious difficulties. Refrigeration at -196C for 15 min had no effect on mechanical properties of steel

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UDC: 669.14.018.298.8:621.785.54.9

ACC NR: AP7000598

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rolled at 20, 500, or 1100C. Aging at 500C for 1 hr produced additional strengthening, especially in steel rolled at -196, but no strengthening in steel rolled at 500C. Rolling at 20C followed by cooling in liquid nitrogen, second rolling at 20C, and aging at 500C produced a tensile strength of 150 kg/mm², yield strength of 140 kg/mm², and fatigue strength of 64 kg/mm². Orig. art. has: 2 figures.

[AZ]

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001/ ATD PRESS: 5109

Card 2/2

SHAKHNAZAROVA, I.E.

Changed physicochemical conditions in the cecum of rabbits
in experimental amebiasis. Med.paraz.i paraz.bol. 29 no.4:447-
450 JI.-Ag '60. (MIRA 13:11)

1. Iz protozoologicheskogo otdela Instituta meditsinskoy para-
zitologii i tropicheskoy meditsiny imeni Ye.I. Martynovskogo
Ministerstva zdravookhraneniya SSSR (dir. instituta - prof.
P.G. Sergiyev, zav. otdelom - prof. Sh.D. Moshkovskiy).
(AMEBIASIS) (CECUM...DISEASES)

SHAKHNAZAROVA, I.E.

Morphological study of the intestinal wall of mice infected
with *Lamblia muris*. Med. paraz. i paraz. bol. 31 no.6:694-697
M-D '62. (MIRA 17:11)

1. Iz protozoologicheskogo otdela Instituta meditsinskoy para-
zitologii i tropicheskoy meditsiny imeni Ya.I. Martynovskogo
(dir. - prof. P.G. Sergiyev, zav. otdeleniyem - prof. Sh.D.
Moshkovskiy) Ministerstva zdravookhraneniya SSSR.

LEYKINA, Ye.S.; VORONOV, A.G.; SHAKHNAZAROVA, I.E.; KHRAMOV, A.S.

Filarialias in African countries. Vop geog. no. 68:113-116
'65. (MIRA 18:12)

L 04609-67 EWT(1)/T IJP(c) AT

ACC NR: AP6033429

SOURCE CODE: UR/0057/66/036/010/1901/1904

AUTHOR: Kaplan, V. B.; Moyzhes, B. Ya.; Pikus, G. Ye.; Shakhnazarova, G. A.; Yur'yev, V. G.

ORG: Institute of Semiconductors, AN SSSR, Leningrad (Institut poluprovodnikov AN SSSR)

TITLE: Spectroscopic measurements of the plasma parameters of a thermionic converter

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 10, 1966, 1901-1904

TOPIC TAGS: thermionic energy conversion, arc discharge, plasma arc, plasma dynamics, plasma diffusion, spectroscopy

ABSTRACT: The plasma parameters (concentration, electron temperature, proportion of excited atoms, etc.) in an arc-mode thermionic converter were optically determined by means of a mirror monochromator with photoelectric registration and potentiometric recording. Care was taken to exclude from the treatment the long-wave lines of the P-D and F-D transitions, which showed significant adsorption, and to eliminate the cathode illumination while the measurements of the continuum intensity were being taken. The investigations were made at cathode temperatures from 1100 to 1600K and at cesium vapor pressures from 0.4 to 2.0 mm hg. The interelectrode distances varied from 1 to 2.0 mm. The investigation demonstrated that the electron temperature decreases monotonically between the cathode and anode. The maximum of the electron

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UDC: 533.9.082.5

L 04609-67

ACC NR: AP6033429

concentration was found at a distance of 0.3 mm from the cathode. It was also found that the distribution of the excited atom concentration does not follow the changes of the electron temperature. The transition from generation to recombination takes place close to the point at which the temperature and line intensity curves intersect. If it is assumed that at this point neither generation nor recombination occurs, then the concentration of electrons and excited atoms at this point should be close to the thermodynamic equilibrium. At $T_e = 2500K$, the thermodynamic concentration should be $1.25 \times 10^{14} \text{ cm}^{-3}$ (the measured concentration was $7 \times 10^{13} \text{ cm}^{-3}$). From their own calculations and a discussion of the less pronounced changes of the electron temperature registered by other researchers using the probe method, the authors conclude that the plasma of a thermionic converter operating under the investigated conditions is essentially of the nonequilibrium type. Orig. art. has: 2 formulas and 3 figures.

SUB CODE: 20/ SUBM DATE: 04Dec65/ ORIG REF: 010/ OTH REF: 004/ ATD PRESS: 5100

Card 2/2 *296*

SHAKHNAZAROVA, M.A., inzh.

Interaction of single-layer asphalt concrete pavements with
cement concrete road beds. Trudy MADI no.23:206-213 '58.
(MIRA 12:1)

(Pavements, Concrete) (Roads, Concrete)

SHAHMAZAROVA, M.A., Cand Tech Sci -- (diss) "Increasing the
~~durability~~ resistance of one-layer asphalt-concrete surfacing." Mos, 1959,
16 pp (Min of Higher Education USSR. Mos ^{Motor Vehicle and} Automobile Road Inst)
150 copies (KL, 28-59, 129)

SHAKHN AZAROVA, M. N.
USSR/Chemical Technology - Chemical Products and Their Application. Food Industry,
I-28

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63700

Author: Pal'min, V. V., Botkina, A. G., Shakhnazarova, M. N.

Institution: None

Title: Study of Chemical Composition of Mutton

Original

Periodical: Tr. Vses. n.-i. in-ta myas. prom-sti, 1953, No 5, 51-63

Abstract: Study of the chemical composition, taking into account the morphological structure, of cuts of carcasses of rams of different degree of fattening slaughtered at the age of 1-1.5 year. It was found that with increasing extent of fattening, from below-medium to medium, the amount of fat increases by 2 times, from below-medium to above-medium by 3 times. With greater extent of fattening the total nitrogen content decreases. The greatest amount of total nitrogen is found in the soft tissues of hind shank and foreshank; of extractables in loin, leg and rib cuts. Content of full-value proteins

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USSR/Chemical Technology - Chemical Products and Their Application. Food Industry,

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Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63700

Abstract: decreases with fattening, being 11-11.87% in below-medium, 8.5-10.37% in medium and 8.3-10.18% in above medium fattening cuts.

Card 2/2

Shakhnazarova, I. R. SK.

A method for the determination of the nutritive value of meat and its application for the investigation of beef. V. V. Pal'min, M. Sh. Shakhnazarova, and D. S. Mindlina. *Trudy Vsesoyuz. Nauch.-Issledov. Inst. Myasnoi Prom.* 1953, No. 5, 5-16; *Referat. Zhur., Khim.* 1954, No. 49197. — A method is described based on the morphological and chemical properties of meats. The nutritive value of different meat cuts is detd. by the presence of the meat proteins having full (I) or nonfull nutritive value (II). Methods are described for the prepn. of meat samples for chem. analyses, which are the detns. of total N, water-sol. protein N (III), salt-sol. protein N (IV), alkali-sol. protein N (V), collagen N (VI), elastin N (VII) and extractable substances. Thoroughly ground meat is extd. twice by KCl soln. (1.2M, pH 8.3). Aliquots of the ext. are then taken for the detns. of total N and the extractable substances (after a weak acidification with H_3PO_4 , boiling, filtering, and the detn. of N in the filtrate). The difference between these 2 detns. gives IV. The residue from the salt extn. is treated several times (up to 4) at room temp. with 0.25% NaOH soln. The combined alk. exts. and washings sepd. from the insol. residue is then autoclaved under the pressure of 1.5 kg./sq. cm., and the sol. portion of each sample is collected quantitatively in a flask for the detn. of VI. For the detn. of VII another sample (approx. 10 g.) is taken: the sample is first treated with 5% NaCl soln., then with 0.2% NaOH soln. (for 20 hrs. at room temp.) and finally by boiling with 0.1% NaCl soln.; in the residue (together with filter), obtained in this way, is detd. VII. III, IV, and V are considered as I; VI and VII as II. The methods for the detns. of total moisture and fat are also presented. The results obtained on different beef cuts by using this technique are listed in tables and figures. New qual. indices are given for the estn. of meat quality based on the ratios of I to II and V to VI and caloric values of different meats. Based on the nutritive values of different cuts of beef the entire carcasses can be divided in 4 different meat groups.

E. Wierbicki

GORODETSKAYA, R.V., kandidat khimicheskikh nauk; ~~SHAKHNAZAROVA, M.~~

New method for determining the clearness and color of gelatin and
broths of canned braised meat. Trudy VNIIMS no.6:123-126 '54.
(Meat, Canned) (Gelatin) (Colorimeters) (MLBA 10:8)

Objective method for determination of the liming stage of gelatin stock. R. Gorodetskaya, M. Shieremet, M. Shakhnazarova, D. Virnik, V. Smolnov, and R. Esakova. *Hygiene* - *Phy.* S.S.S.R. 25, No. 5, 52-4 (1954). — The procedure for detg. the status of the liming of gelatin stock is based on extg. a sample and detg. extd. gelatin colorimetrically by means of the biuret reaction. Results are given for extractable gelatin in bone stock at 5-day intervals for 40 days of liming. Total extractable gelatin is detd. for various bones and other gelatin stock. M. M. Piskun

GORODETSKAYA, R.V., kandidat khimicheskikh nauk; SHAKHNAZAROVA, M.Sh.,
mladshiy nauchnyy sotrudnik; SHEREMENT, M.V.; VIRNIK, D.I.;
SMIRNOVA, V.Ye.; YESAKOVA, R.

Reducing losses in gelatin production. Trudy VNIIMP no.7:108-113
'55. (MLA 9:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlen-
nosti (for Gorodetskaya, Shakhnazarova, Sheremet); 2. Moskovskiy
zhelatinovyy zavod (for Virnik, Smirnova, Yesakova).
(Gelatin)

GORODETSKAYA, R.V., kandidat khimicheskikh nauk; SHAKHNAZAROVA, M.Sh.,
mladshiy nauchnyy sotrudnik; SHEREMET, M.V.; VIRNIK, D.I.;
SMIRNOVA, V.Ye.; YESAKOVA, R.

Methods of determining the degree of liming in gelatigenous tissues.
Trudy VNIIMP no.7:114-122 '55. (MLRA 9:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promy-
shlennosti (for Gorodetskaya, Shakhnazarova, Sheremet); 2. Moskov-
skiy zhelatinovyy zavod (for Virnik, Smirnova, Yesakova).
(Gelating)

KOKHLOVA, Z.V., starshiy nauchnyy sotrudnik; SHAKHNAZAROVA, M.Sh., mladshiy
nauchnyy sotrudnik; VIRNIK, D.I., inzh.; LEVINOVA, K.N., inzh.

Production of fodder precipitate from maceration lyes resulting
from the manufacture of gelatin. Trudy VNIIMP no.9:133-137
'59. (MIRA 13:8)

(Feeding and feeds) (Lye) (Gelatin)

KOKHLOVA, Z.V., starshiy nauchnyy sotrudnik; SHAKHMAZAROVA, M.Sh., mladshiy
nauchnyy sotrudnik; VIRNIK, D.I., inzh.

Using small bones defatted by the cold water process for the
production of gelatin. Trudy VNIIMP no.9:127-132 '59.

(MIRA 13:8)

(Bone products)

(Gelatin)

VIRNIK, D.I., starshiy nauchnyy sotrudnik; KHAR'KOVA, A.G., mladshiy nauchnyy sotrudnik; SHAKHNAZAROVA, M.Sh., mladshiy nauchnyy sotrudnik; VLASOV, A.P., inzh.; ROSTOVTSEVA, V.I., inzh.; CHEKANOVA, G.V., inzh.; Prinsipali uchastiye: ARTEMOVA, N.N.; TSYPINA, N.D.; KUST, Ye.F.

Preparation of gelatin from raw materials processed with the acid method. Trudy VNIIMP no.13:52-63 '62. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Khar'kova, Shakhnazorova, Artemova).
2. Moskovskiy zhelatinovyy zavod (for Vlasov, Rostovtseva, Chekanova, Tsypina, Kust.).

KHOKHLOVA, Z.V., starshiy nauchnyy sotrudnik; SHAKHNAZAROVA, M.Sh., mladshiy nauchnyy sotrudnik; VIRNIK, D.I., inzh.; GUROVA, V.I., inzh.; SYCHEVA, G.V., inzh.

Determining gelatin yield from various types of raw materials.
Trudy VNIIMP no.11:170-177 '62.

(MIRA 18:2)

1. Moskovskiy zhelatinyy zavod (for Virnik, Gurova, Sycheva).

SHAKHNAZAROVA, N. G.

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Pathomorphological changes caused by the alkaloid isoscorpine. L. I. Gromov and N. G. Shakhnazarova (S. Ordzhonikidze All-Union Chem.-Pharm. Inst., Moscow). *Irkh. Patol.* 13, No. 3, 83-4(1951).—The alkaloid studied with white mice and rats causes death on intravenous injection of 50-150 mg./kg., the death onset coming from less than a min. to 3 days, depending on the dosage. Subcutaneous injection of 100-400 mg./kg. causes death in 1-7 days. Perorally 200-400 mg./kg. doses cause toxicosis within a few hrs. and death in 2-3 days. In all cases a small amt. of fluid accumulates in the abdominal cavity and hemorrhages in the liver with cirrhosis are indicated. The results are similar to those obtained by feeding bellitrope seeds to exptl. animals. G. M. Kosolapoff

SHAKHNAZAROVA, N.G.

APPROVED FOR RELEASE: 07/20/2001

ulcers in experimental animals. Farm. i toks. 17 no.3:51-54 (MLRA 7:8)

1. Otdel farmakologii (zav. prof. M.D.Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze.

- (QUINACRINE, injurious effects,
 - *peptic ulcer in animals)
- (ANTHELMINTHICS, injurious effects,
 - *aminoquinacrine causing gastric ulcer in animals)
- (PEPTIC ULCER, experimental,
 - *caused by aminoquinacrine & quinacrine)

USSR

Influence of phthivazide on ribonucleic-acid content of white-rat and guinea-pig organs. N. G. Shakhnazaryan, *Farmakol. i Toksikol.* 17, No. 5, 10-12 (1954).—Rats and guinea pigs were given daily 100-mg. doses of phthivazide, introduced directly into the stomach, and were examined after 2, 6, 13, 18, 20, and 30 days by histochem. methods. Cells from brain, spinal column, pancreas, liver, gastro-intestinal tract, kidneys, spleen, marrow, and skin were studied. Protoplasm was more basophilic in rats than in guinea pigs. There was substantial accumulation of ribonucleic acid at 13 days, particularly in cells of the digestive system and preferentially in basophilic protoplasm.

J. F. S.

YAKOVLEVVA, A.I.; SHAKHNAZAROVA, N.G.

Effect of aminazine on vitamin C content in organs of white mice
[with summary in English]. Farm. 1 toks. 20 no.3:52-55 My-Je '57.
(MIRA 10-10)

(MIRA 10:10)

1. Otdel farmakologii (zav. - prof. M.D.Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S.Otdzhonikidze.

(CHLORPROMAZINE, effects,
on vitamin c metab. (Rus))

(VITAMIN C, metabolism,
eff. of chlorpromazine (Rus))

YAKOVLEV, A.I.; SHAKHNAZAROVA, N.G.

Histochemical method for determining the vitamin C content in laboratory animals [with summary in English]. Biul. eksp. biol. i med. 44 no.9:114-117 S '57. (MIRA 10:12)

1. Iz otdela farmakologii (zav. - prof. M.D. Meshkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze, Moskva, Predstavlena deystvitel'nym chlenom AMN SSSR I.V. Davydovskim.

(VITAMIN C, determination,
histo-chem. method in animals (Rus))

GREBENNIK, L.I., BELYKH, R.A., SHAKHNAZAROVA, N.G.

Effect of phthivasid and isonicotinic acid hydrazide on the growth of white rats in absence of vitamin B₆ from the food ration [with summary in French] Probl.tub. 36 no.3:72-77 '58 (MIRA 11:5)

1. Iz otdela khimioterapii (zav. - prof. G.N. Pershin) i otdela farmakologii (zav. - prof. M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze

(ISONIAZID, eff.

on growth of white rats in vitamin B₆ defic. (Rus))

(VITAMIN B₆ DEFICIENCY, exper.

eff. on growth of white rats during isoniazid & N-

(4-hydroxy-3-methoxy)benzal isonicotinic acid hydrazone admin. (Rus))

YAKOVLEVA, A.I., SHAKHNAZAROVA, N.G.

Vitamin C content in guinea pigs during repeated phthivazid administration; a histochemical study [with summary in French].
Probl.tub. 36 no.3:78-83 '58 (MIRA 11:5)

1. Iz otdela farmakologii (zav. - prof. M.D. Mashkovskiy)
Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo
instituta imeni S. Ordzhonikidze.

(ISONIAZID, related cpds.

N-(4-hydroxy-3-methoxy)benzal isonicotinic acid hydrazone,
eff. on vitamin C content in guinea pigs, histochem
determ. (Rus))

(VITAMIN C, determ.

in guinea pigs during N-(4-hydroxy-3-methoxy)benzal
isonicotinic acid hydrazone, histochem. determ. (Rus))

GREBENNIK, L.I., SOBOLEVA, I.M., SHAKHNAZAROVA, N.G.

Comparative effects of isonicotinic acid hydrazide derivatives on the development of young animals with dietary vitamin B₆ deficiency [with summary in English]. Biul. eksp. biol. i med. 45 no.5:45-50 (MIRA 11:6) My '58

1. Iz otdela khimioterapii (zav. - prof. G.N. Pershin) i otdela farmakologii (zav. - prof. M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR S.Ye. Severinym.

(NICOTINIC ACID ISOMERS, effects, on growth of young rats in vitamin B₆ defic., comparison of various prep. (Rus))

(VITAMIN B₆ DEFICIENCY, experimental, eff. on growth of various isonicotinic acid hydrazides in young rats (Rus))

(GROWTH, effect of drugs on, isonicotinic acid hydrazides in vitamin B₆ defic. young rats (Rus))

TAREYEVA, A.I.; SHAKHNAZAROVA, N.G.

Data on pharmacological and pathomorphological investigations of
gramicidin paste in rabbits and white rats. Akush.i gin. 35
no.6:18-19 N-D '59. (MIRA 13:4)

1. Iz otdela farmakologii (zaveduyushchiy - prof. M.D. Mashkov-
skiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsev-
ticheskogo instituta.

(CONTRACEPTIVES)

(ANTIBIOTICS pharmacol.)

YAKOVLEVA, A.I.; SHAKHNAZAROVA, N.G.

Histochemical examinations of Kulchitskii's cells in the gastrointestinal tract of experimental animals. Biul.eksp.biol.i med.
47 no.8:107-110 Ag '59. (MIRA 12:11)

1. Iz otdela farmakologii (zav. - prof. M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze (dir. - prof. M.V. Rubtsov), Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR I.V. Davydovskim.
(MALIGNANT CARCINOID SYNDROME pathol.)

YAKOVLEVA, A.I.; SHAKHNAZAROVA, N.G.; MASHKOVSKIY, M.D.

Effect of certain derivatives of isonicotinic acid hydrazide on the amount of serotonin in the enterochromaffin cells of the intestine (Kul'tsitskii's cells). Farm.i toks. 23 no.2:143-147 Mr-Apr '60.
(MIRA 14:3)

1. Otdel farmakologii (zav. - prof. M.D.Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo Khimiko-farmatsevticheskogo instituta imeni S.Ordzhonikidze.

(PARAGANGLIA)

(ISONICOTINIC ACID)

(INTESTINES)

(SEROTONIN)

MASHKOVSKIY, M.D.; YAKOVLEVA, A.I.; SHAKHNAZAROVA, N.G.

Effect of certain hypotensive compounds on the serotonin content
of enterochromaffin cells of the intestine (Kul'chitskii's cells).
Farm.i toks. 24 no.1:44-49 Ja-F '61. (MIRA 14:5)

1. Laboratoriya farmakologii (zav. - prof. M.D.Mashkovskiy) Vsesoyuz-
nogo nauchno-issledovatel'skogo khimiko-farmatsevticheskogo instituta
imeni S.Ordzhonikidze.
(SEROTONIN) (INTESTINES) (VASOMOTOR DRUGS)

GREBENNIK, L.I.; LEVASHOVA, Ye.Ya.; SHAKHNAZAROVA, N.G.

Effect of nicotinic and isonicotinic acid on the development
of hypercholesteremia and atherosclerosis in rabbits. Farm.
i toks. 25 no.5:590-596 S-0 '62 (MIRA 18:1)

1. Otdel khimioterapii (zav. - chlen-korrespondent AMN SSSR
prof. G.N. Pershin) Vsesoyuznogo nauchno-issledovatel'skogo
khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

ZAYTSEVA, T.Kh.; CHERNYSHEVA, L.N.; SHAKHNAZAROVA, M.V. (Simferopol')

Results of the clinical study of "sinkumar." Vrach.delo no.1:
119-121 Ja '63. (MIRA 16:2)

1. Kafedra diagnostiki vnutrennikh bolezney (zav. - prof. B.A.
Shakhnazarov) i gospi'tal'noy terapii (zav. - prof. P.A. Tepper)
Krymskogo meditsinskogo instituta.
(ANTICOAGULATNS (MEDICINE~~4~~-PHYSIOLOGICAL EFFECT)

YAKOVIEVA, A.I.; SHAKHNAZAROVA, N.G.

Morphological changes caused by aminazine in white rats with
liver cirrhosis. Farm. i toks. 27 no.4:479-482 J1-Ag '64.
(MIRA 17:11)

1. Otdel farmakologii (zav. - chlen-korrespondent AMN SSSR
M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo
khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze,
Moskva.

YAKOVLEVA, A.I.; SHAKHNAZAROVA, N.G.

Teratogenic effect of triparanol. Farm. i toks. 28 no.1:108-111
Ja-F '65. (MIRA 18:12)

1. Otdel farmakologii (zav. - chlen-korrespondent AMN SSSR prof.
M.D.Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo khimiko-
farmatsevticheskogo instituta imeni S.Ordzhonikidze, Moskva.
Submitted October 30, 1963.

SHAKHNAZAROVA, S. S.

Shakhnazarova, S. S. "New nematodes of the rodents of Azerbaijan", Trudy Gel'mintol. laboratorii (Akad. nauk SSSR), Vol. II, 1949, p. 69-86, - Bibliog: 15 items.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

ANDREYEV, L.I.; MUSTAFABEYLI, M.A.; POPOV, A.P.; KHESIN, B.E.;
SHAKHNAZARYAN, A.L.

New data on the structure of pebble formations in the Samur-
Kusarchay interfluvium. Sov.geol. 6 no.12:123-129 D '63.
(MIRA 16:12)

1. Azerbaydzhanskoye geologicheskoye upravleniye.

112-58-4-12/23

Shakh-Nazaryan, A.M.
AUTHORS: ~~Shakh-Nazaryan, A.M.,~~ Antipov, R.A., Gal'perin, M.M.)
engineers

TITLE: The Mechanization of Secondary Auxiliary Operations in Textile Enterprises (Mekhanizatsiya podsochno-vspomogatel'nykh rabot na tekstil'nykh predpriyatiyakh)

PERIODICAL: Mekhanizatsiya Trudovymkikh i Tyazhelykh Rabot, 1958, ¹/₂ Nr 4, pp 31-32 (USSR)

ABSTRACT: This article criticizes the lack of mechanization of internal transport in the textile industry. A study of this matter was conducted by the Tsentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti (The Central Scientific Research Institute of the Cotton Industry). There are 2 figures.

AVAILABLE: Library of Congress
Card 1/1 1. Textiles-Transportation 2. Textiles-Production

SHAKHNAZARYAN, B., inzh.

Shortcomings of the present systems of accounting for the work
of construction machinery. Prom.Arm. 4 no.11:31-32 N '61.
(MIRA 15:1)

1. Armyanskiy institut stroitel'nykh materialov i sooruzheniy.
(Armenia--Construction industry--Accounting)

AKOPOV, A., kand.tekhn.nauk; SHAKHNAZARYAN, B., inzh.

Advantages of combining the development of Karmrashen volcanic tuff
deposit with the construction of the reservoir at the drain of Mastara
flood waters. Prom.Arm. 5 no.5:17-20 My '62. (MIRA 15:7)
(Armenia--Volcanic ash, tuff, etc.)
(Armenia--Reservoirs)

SHAKHNAZARYAN, B.

Improve the operational and production planning in construction.
(MIRA 15:9)
Prom.Arm. 5 no.9:22-24 S '62.

1. Armyanskiy ~~institut~~ stroitel'nykh materialov i sooruzheniy.
(Armenia—Construction industry—Management)

L 27906-66

ACC NR: AP6017758

SOURCE CODE: UR/0173/65/018/005/0062/0063

AUTHOR: Shakhnazaryan, B. Kh.

ORG: Armenian NII of Building Materials and Construction (Armyanskiy NII stroitel'nykh materialov i sooruzheniy)

TITLE: Problem of selection of wall materials on the basis of climatic conditions

SOURCE: AN ArmSSR. Izvestiya. Seriya tekhnicheskikh nauk, v. 18, no. 5, 1965
62-63

TOPIC TAGS: heat transfer, climatic condition, general construction, structural engineering

ABSTRACT: In spite of the fact that the norms and regulations for the design of walls call for testing and measurement of the stability and heat transmission of walls under both winter and summer conditions where the summer temperature may climb to over +25°C, in many areas of the Armenian SSR the summer phase of the testing is not performed or taken into consideration in designing buildings. The author presents a simple formula for test evaluation for this purpose and points out that in many types of walls, the standards set by the norms for heat transmission under summer conditions are more severe than those set by the winter heat loss standards, so that if the summer phase of the testing is completed, the winter phase may not be necessary. Orig. art. has: 3 formulas. [JPRS]

Card 1/1 SUB CODE: 04, 13, 20/ SUBM DATE: 02Aug65 / ALG

GLUSHKO, M.F.; SHAKHNAZARYAN, E.A.

Mechanical calculation of logging cables taking into consideration
the transverse pliability of the insulation. Prikl. geofiz. no.39:
167--178 '64. (MIRA 17:9)

KAMALYAN, L.A., kand. biolog. nauk; VARDEVANYAN, ZH.TOJ; SHAKHNAZARYAN,
E.A.

Study of the properties of vaccine virus in X-ray irradiated and
nonirradiated tissue culture. Vop. radiobiol. [An Arm. SSR]
3/4:51-54, 1963. (MIRA 17:6)

s/0298/64/017/001/0037/0040

ACCESSION NR: AP4021552

AUTHOR: Vlasenko, S. P.; Shakhnazaryan, E. L.

TITLE: Effect of preliminary irradiation on the radioresistance of rats

SOURCE: AN ArmSSR. Izvestiya. Biologicheskije nauki, v. 17, no. 1, 1964, 37-40

TOPIC TAGS: preliminary irradiation, repeated irradiation, radioresistance increase, X-irradiation, prolonged life span, oxygen consumption, radiosensitivity change

ABSTRACT: This study was carried out to determine whether preliminary irradiation increases the radioresistance of irradiated animals. Experimental rats were X-irradiated (RUM-11 unit, 15 ma, 180 kv, filter 0.5 mm Cu+0.5 mm Al) with preliminary single 100 r or 500 r doses and 1 to 14 days later were irradiated with a single 750 r dose. Average life span, body weight, and peripheral blood served as indices. Oxygen consumption was measured 2, 4, 8, and 15 days after repeated irradiation to determine external gas exchange change. Findings indicate that radiosensitivity change depends on length of the

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ACCESSION NR: AP4021552

interval between preliminary and repeated irradiation. With a 14 day interval, average life span increases from 8.2 to 13 days, but is not accompanied by increased body weight or normalization of peripheral blood. With a 3 to 7 day interval oxygen consumption is markedly reduced on the 2nd and 4th days after repeated irradiation. However, with a 14 day interval oxygen consumption is normal on the 2nd, 4th, and 8th days and is reduced only on the 15th day. The inhibiting effects of ionizing radiation on gas exchange do not appear to be cumulative. Gas exchange change appears to be dependant more on the state of reparation processes in the organism than on radiation dose. Radioresistance of an organism is increased with preliminary irradiation 14 days prior to repeated radiation as a result of the mobilization of adaptive reactions and increased general resistance. Orig. art. has: 2 tables.

ASSOCIATION: None.

SUBMITTED: 11Nov63

SUB CODE: 25

Card 2/2

DATE ACQ: 31Mar64

NR REF SOV: 013

ENCL: 00

OTHER: 003

DANGYAN, N.T.; SHAHNAZARYAN, G.M.; AMBARTSUMYAN, E.N.

Production of some new unsaturated acids. Dokl. AN Arm.
SSR 33 no.2:53-56 '61. (MIRA 14:10)

1. Yerevanskiy gosudarstvennyy universitet. Predstavleno
akademikom AN Armyanskoy SSR A.L. Mndzhoyanom.
(Acids, Organic)

DANGYAN, M.T.; SHAKHNAZARYAN, G.M.

Synthesis of alkyl- γ -chloroallylacetic acids. Izv. AN Arm. SSR.
Khim. nauki 13 no.4:259-262 '60. (MIRA 13:12)

1. Yerevanskiy gosudarstvennyy universitet, Kafedra organicheskoy
khimii.

(Pentenoic acid)

DANGYAN, M.T.; SHAKHNAZARYAN, G.M.

Synthesis of γ -carboxybutyrolactones. Part 1: Oxidation of α -substituted γ -chlorallylacetic acids by hydrogen peroxide in acetic anhydride. Zhur.ob.khim. 31 no.5:1643-1647 My '61. (MIRA 14:5)

1. Yerevanskiy gosudarstvennyy universitet.
(Butyrolactone) (Acetic acid)

DANGYAN, M.T.; SHAKHNAZARYAN, G.M.; MARKARYAN, G.A.

Preparation of α -alkoxyalkyl- γ -chloroallylacetic acids.
Izv. AN Arm.SSR. Khim.nauki 14 no.5:491-494 '61. (MIRA 15:1)

1. Yerevanskiy gosudarstvennyy universitet, kafedra organicheskoy khimii.

(Acetic acid)

DANGYAN, M.T.; SHAKHNAZARYAN, G.M.

Interaction of α -substituted γ -carboxybutyrolactones with
dicyanodiamide. Zbur.ob.khim. 32 no.7:2283-2287 J1 '62.
(MIRA 15:7)

1. Yerevanskiy gosudarstvennyy universitet.
(Butyrolactone) (Guanidine)

AKHNAZARYAN, A.A.; SHAKHNAZARYAN, G.M.; KAZARYAN, S.A.; DANGYAN, M.T.

Synthesis and transformations of α -substituted
 δ -methyl- δ -hydroxy- γ -caprolactones. Zhur. ob. khim. 34
no. 5:1413-1419 My 1964. (MIRA 17:7)

1. Yerevanskiy gosudarstvennyy universitet.

AKHUNAZARYAN, A.A.; SHAKHMAZARYAN, G.M.; AKHUMYAN, V.A.; DADYAN, M.T.

Synthesis of 1,6-disubstituted 3-chloro-3-hexene-1,6-dicarboxylic acids. Izv. AN Arm. SSR, Khim. nauki 17 no.6:656-659 '64.

Synthesis and transformations of dilactones. Part I: Preparation of dilactones of 1,6-disubstituted 3-oxohexane-1,6-dicarboxylic acids. (MIRA 18:6)
Ibid.:660-664

1. Yerevanskiy gosudarstvennyy universitet, kafedra organicheskoy khimii.

SHAKINAZARYAN, N.S.

Fixing the thread turning device to the lever of the right hand
loop former on buttonhole stitching machines. Opm. tekhn. opyt.

[MLP] no.35:17 '56.

(MIRA 11:12)

(Sewing machines)

SHAKHNAZARYAN, N.S.

Device to reduce waste on a spooling machine. Obm.tekh.opyt. [MLP]
no.36:3-5 '56. (MIRA 11:11)
(Woolen and worsted spinning)

SHAKHNAZARYAN, R.A.; DRAMPYAN, F.S.

Electrophoretic study of blood proteins in chronic nephritis. Izv.
AN Arm.SSR. Biol.nauki 13 no.9:89-95 S '60. (MIRA 13:11)

1. Prepedevticheskaya klinika Yerevanskogo meditsinskogo instituta.
(BLOOD PROTEINS)
(KIDNEYS--DISEASES)

SHAKHNAZARYAN, T. S.
Y. 10, 0-11
natural solid fuels; evening

SHAKHNAZARYAN, T. S.

3

✓ 91. SIGNIFICANCE OF BREATHING RESISTANCE IN DUST MASKS.
Shafiranova, A.S. and Shakhnazaryan, T.S. (Gig. & Sanit. (Hyg. & Sanit.,
Moscow), 1953, (6), 21-25). An account of some experiments undertaken to
measure the breathing resistances encountered with and without the use of
dust masks. Three sets of barographs are reproduced and comparative
results are tabulated.

S.M.R.

8-12
JST
gff

SHAKHNAZARYAN, V.A., podpolkovnik meditsinskoy sluzhby

~~Treating Botkin's disease.~~ Voen.med.zhur. no.12:71-72 D '56.
(HEPATITIS, INFECTIOUS) (MLRA 10:3)

SHAKHAZARYAN, V.A., podpolkovnik med. sluzhby

Chronic gastritis and functional disorders of the stomach. Voen.-med.
zhur. no.5:88-89 My '57 (MIRA 12:7)
(STOMACH--DISEASES)

ACC NR: AP7003518

(A,N)

SOURCE CODE: UR/0113/67/000/001/0014/0016

AUTHORS: Gintsburg, B. Ya. (Doctor of technical sciences); Minayev, N. I.;
Ippolitor, Ye. S.; Shakhnazaryan, V. M.

ORG: none

TITLE: Effect of sealed closures of piston rings on the starting qualities of
diesels

SOURCE: Avtomobil'naya promyshlennost', no. 1, 1967, 14-16

TOPIC TAGS: temperature dependence, temperature measurement, piston engine, diesel
engine, engine component, ENGINE PISTON, ENGINE STARTER SYSTEM

ABSTRACT: The equation for compressed gas in a cylinder (with consideration of the
leakage through the piston rings) is given as

$$T_c = T_a \left[1 - \frac{\Delta G}{G_a} \right]^{n_1 - 1}$$

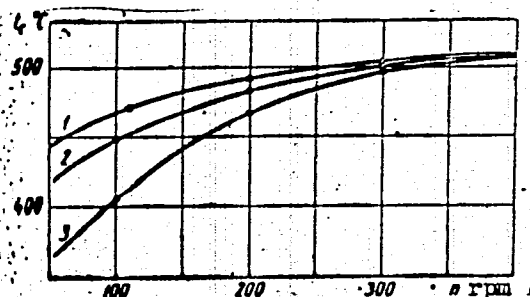
where n_1 is the average exponent of the compression curve; T and G are the temperature
and weight. The subscripts a and c refer to the start and the end of the compression;

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UDC: 621.436.629.113:62-24.3

ACC NR: AP7003518

Fig. 1. Air temperature at the compression ring vs number of engine rpm: 1 - three-component ring; 2 - ring with soldered closure; 3 - standard ring



$\Delta G = G_a - G_c$ is the gas loss during compression. With V representing the volume of gas, $\epsilon = \frac{V_a}{V_c}$ is the geometrical degree of the engine compression. To determine the rpm effect on $\frac{\Delta G}{G_a}$ and T_c , tests were conducted on a single-cylinder assembly with

a cylinder diameter of 150 mm and an effective $\epsilon = 12.8$. The piston was driven by a Pendel-dynamo, and the gas leaking past the piston rings was collected from the crankcase and measured by a rotameter. The temperature was measured by a tungsten resistance thermometer replacing an injector in the head. Three types of piston rings were tested: a) the standard type with a 0.6-mm gap in the closure; b) a

Card 2/3

ACC NR: AP7003518

similar ring with the gap sealed by tin solder; c) a compounded ring of three overlapping layers with no gap. Where the leakage was small, $\frac{\Delta G}{G_a}$ vs rpm was hyper-

bolic. For standard rings $\frac{\Delta G}{G_a} = \frac{16}{n}$, and for the soldered gap it is $\frac{8.2}{n}$. The

temperature dependence is shown in Fig. 1. Rings made by German and American firms have complex tongue closure sections which effectively seal and also compensate for small irregularities in the cylinder shape. Orig. art. has: 6 figures and 5 formulas.

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 002

Card 3/3

GINTSBURG, B.Ya., doktor tekhn. nauk; MINAYEV, N.I.; IPPOLITOV, Ye.S.;
SHAKHMAZARYAN, V.M.

Improving starting characteristics of a diesel engine. Avt.
prom. 31 no.3:12-14 Mr '65. (MIRA 18:7)

L 34715-65 EPA(w)-2/EWT(1)/EWT(m)/EEC(t)/T/EMA(m)-2 Pab-10

ACCESSION NR: AP4047917

S/0056/64/047/004/1503/1508

AUTHOR: Shakhnazaryan, Yu. G.

TITLE: Concerning some processes involving high-energy polarized
electrons and positrons

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47,
no. 4, 1964, 1503-1508

TOPIC TAGS: electron polarization, electron interaction, positron,
spinor, one photon exchange, particle scattering, scattering cross
section

ABSTRACT: In view of the difficulty of evaluating the usual cross
sections for processes involving electrons and positrons when form-
factors are taken into account, the author uses the two-component
spinor formalism to calculate the cross sections for some processes
involving high-energy longitudinally polarized electrons and posi-

Card 1/3

L 34715-65

ACCESSION NR: AP4047917

trons, on the assumption that the charges and magnetic moments of the particles involved are distributed over some finite volume. The energies of the polarized electrons and positrons are assumed to be much larger than the rest masses. The assumption that the electron is not point-like makes it necessary to consider, besides diagrams with vertices of converging electron lines of equal helicity, also diagrams at which electron lines of different helicities come together. Specific calculations are presented for one-photon exchange in the center-of-mass system of the colliding particles, with the scattering of an electron by a charged spinless particle and by particles with spin $1/2$ as examples. Cross sections are obtained for the annihilation of an electron positron pair with conversion into a muon pair and for the scattering of electrons by electrons and by positrons. The expressions for the cross sections for scattering of longitudinal polarized electrons agree, apart from a numerical factor, with the cross sections obtained for the scattering of electrons with fixed spin projections by Bogush and Satsunkevich (ZhETF

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L 34715-65

ACCESSION NR: AP4047917

v. 44, 303, 1963). "The author is deeply grateful to G. M. Garibyan
for suggesting the topic." Orig. art. has: 19 formulas.

ASSOCIATION: Fizicheskiy institut GKAE (Physics Institute GKAE)

SUBMITTED: 21Apr64

ENCL: 00

SUB CODE: NP

NR REF SOV: 007

OTHER: 001

Card 3/3

L 3108-66 EWT(d)/EWT(m)/EWP(i)/EWP(c)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(1)
ACCESSION NR: AP5026358 JD UR/0105/64/000/009/0094/0095

AUTHOR: *Tsvetkov, V. A.; Birzniyek, L. V.; Vysochanskiy, V. S.; Shakhnazaryan, Yu. M.; Kazanskiy, V. Ye.; Kapuntsov, Yu. D.; Salekh, M. A. Kh.; Frumkin, A. L.; Bakhovtsov, B. A. 77
56
23

TITLE: Dissertations in competition for the academic degree of doctor of technical sciences

SOURCE: Elektrichestvo, no. 9, 1964, 94-95

TOPIC TAGS: electric engineering, electric power engineering, electric equipment, electric distribution equipment, electric rotating equipment, automatic control, automatic control system

Abstract: The following defended dissertations at the Moscow Power Engineering Institute: V. A. TSVETKOV, 14 December 1962, on the theme "Autoparamagnetic Phenomena and Surges in Three-Phase Circuits which Contain Ferromagnetic Equipment," his official opponents -- Doctor of Technical Sciences, Professor V. A. TAFT and Candidate of Technical Sciences, Lecturer L. F. DMOKHOVSKAYA; L. V. BIRZNIYEK, 4 January 1963, on the theme "Electromagnetic Processes in Multistage Voltage Regulation Circuits in Electric

Card 1/4

*[NOT AUTHOR'S ARTICLE]

L 3108-66

ACCESSION NR: AP5026358

Rolling Stock with Semiconductor Rectifiers," his official opponents -- Doctor of Technical Sciences B. N. TIKHMENEV and Candidate of Technical Sciences, Lecturer L. M. TRAKHTMAN; V. S. VYSOCHANSKIY, 18 January 1963 on the theme "Methods for Controlling the Strip Tension at the Reel of a Cold Rolling Mills," his official opponents -- Doctors of Technical Sciences N. P. KUNITSKIY and N. N. DRUZHININ; Yu. M. SHAKHNAZARYAN, 18 January 1963, on the theme "Approximate Methods for Analysis of Non-Stationary Asynchronous Conditions in Electrical Systems," his official opponents -- Doctor of Technical Sciences, Professor L. G. MAMIKONYANTS and Candidate of Technical Sciences, Lecturer N. I. SOKOLOV; V. Ye. KAZANSKIY, 18 January, on the theme "Some Problems in Automation and Remote Control of Power Systems," his official opponents -- Doctor of Technical Sciences, Professor I. A. SYROMYATNIKOV and Candidate of Technical Sciences V. K. SPIRIDONOV; Yu. D. KAPUNTSOV, 18 January 1963, on the theme "An Asynchronous Electric Drive with Non-Symmetric Connection of the Saturation Chokes in the Stator Circuit," his official opponents -- Doctor of Technical Sciences V. Ye. BOGOLYUBOV and Candidate of Technical Sciences, Lecturer D. N. LIPATOV; M. A. Kh. SALEKH, 22 February 1963, on the theme "Theoretical Study of the Operation of Minature Two-Phase Asynchronous Machines when the Supply Voltage is not Sinusoidal," his official opponents -- Doctor of Technical Sciences, Professor A. I. BERTINOV and Candidate of Technical Sciences,

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Lecturer P. Yu. KAASIK; A. L. FRUMKIN, 9 March 1963, on the theme "A Theoretical and Experimental Study of the Permeability of Antiferromagnetic Thin Magnetic Films," his official opponents -- Doctor of Physical and Mathematical Sciences, Professor R. V. TELESKIN and Candidate of Technical Sciences, Lecturer P. P. MESTATSEV; B. A. BAKHUYTSOV, 19 April 1963, on the theme "Synthesis of Systems for Automatic Control of Starting and Stopping of Electric Drives," his official opponents -- Doctor of Technical Sciences, Professor A. S. SANDER and Candidate of Technical Sciences, Lecturer Yu. Ye. KITSOT. At the Moscow Higher Technical Academy named Bauman -- G. A. MIROKOV, 10 December 1962, on the theme "A Method for Experimental Programming of Electronic Digital Computers," his official opponents -- Doctor of Physical and Mathematical Sciences, Professor L. A. LYUSTERNIK and Candidate of Technical Sciences, V. Ya. PETROV. At the All-Union Electrotechnical Institute im. Lenin -- V. A. VOL'KENAU, 11 December 1962, on the theme "Conductivity of Carborundum," his official opponents -- Doctor of Technical Sciences, Professor V. V. BURGSDORF and Candidate of Technical Sciences, D. V. SHISHMAN. At the Academy of Municipal Economy im. Pamfilov -- V. A. KOZLOV, 14 January 1963, on the theme "Problems in the Use of Closed Systems for Municipal Electrical Networks," his official opponents -- Professor P. G. GRUDINSKIY and Candidate of Technical Sciences, Lecturer F. F. VORONTSOV.

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L 3108-66

ACCESSION NR: AP5026358

At the All-Union

Scientific Research Institute of Electromechanics -- L. Ya. STANISLAVSKIY,
23 November 1962, on the theme "On Work in the Field of High Power Turbo-
generators and Hydrogenerators," his official opponents -- Doctor of Tech-
nical Sciences, Professor I. M. POSTNIKOV, Doctor of Technical Sciences
I. D. URUSOV and Candidate of Technical Sciences Yu. M. EL'KIND.

Research Institute of Railroad Transportation: V. D. TULUPOV, 21 December
1962, on the theme "Development and Investigation of a System for Auto-
matic Control of Rheostat Braking of Rectifier Electric Locomotives," his
official opponents -- Doctor of Technical Sciences B. N. TIKHMENEV and
Candidate of Technical Sciences B. G. KAMENETSKIY; Y. D. MONTSEY, 21
December 1962, on the theme "Protection of Traction Motors from Short Cir-

cuit Currents During Regenerative Braking," his official opponents -- Doctor
of Technical Sciences, Professor V. Ye. ROZENFELD and Candidate of Tech-
nical Sciences L. M. TRAKHTMAN; A. V. KAMENEV, 11 January 1963, on the
theme "Study of Voltage Control Systems for Power Transformers in AC Electric
Locomotives with Rectifiers," his official opponents -- Doctor of Technical
Sciences, I. P. ISAYEV and Engineer Kh. Ya. BYSTRITSKIY.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 000

Card 4/4 SC

ENCL: 00

OTHER: 000

SUB CODE: EE, IE

JPRS

SHAKHNAZARYAN, Yu. M.

Currents and voltages in the electric system in case of a steady asynchronous regime of the hydraulic generator. Izv. AN Arm. SSR. Ser. tekhn. nauk 14 no. 5:21-28 '61. (MIRA 15:1)

1. Moskovskiy energeticheskiy institut.
(Hydroelectric power stations)

SHAKHNAZARYAN, Yu.M.

Simplified method of approximate calculation of the asynchronous operation of the stations of an electric power system. Izv. AN Arm. SSR Ser. tekhn. nauk 14 no.6:15-23 '61. (MIRA 16:8)

1. Moskovskiy energeticheskiy institut.

SHAKHNAZARYAN, Yu.M.

Characteristics of testing the resultant stability of complex
electrical systems. Izv. AN Arm. SSR. Ser. tekhn. nauk 15
no.1:3-12 '62. (MIRA 16:7)

1. Moskovskiy energeticheskiy institut.
(Electric machinery—Testing)

SHAKHNAZARYAN, Yu.M.

Active and reactive power of the buses of a receiving system in
case of asynchronous run of the stations of an electric system.
Izv.AN Arm.SSR.Ser.tekh.nauk 15 no.3:33-40 '62. (MIRA 15:6)

1. Moskovskiy energeticheskiy institut.
(Electric power distribution)

SHAKHNAZARYAN, Yu.M. (Moskva)

Reactive and real power at the busbars of a receiving electrical system during nonstationary asynchronous operation of the hydro-generator. Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom. no.4: 10-13 J1-Ag '62. (MIRA 15:8)
(Electric power distribution) (Turbogenerators)

SHAKHNAZARYAN, Yu.M., inzh.; KHE YAN-TSZAN: [Ho Yang-tsan]

Study of the feature of equivalent network representation of
synchronous generators in asynchronous operation. Izv.vys.ucheb.
zav.; energ. 6 no.1:1-8 Ja '63. (MIRA 16:2)

1. Moskovskiy ordena Lenina energeticheskiy institut.
(Electric power distribution) (Electric generators)

SHAKHNAZARYAN, Yu. M.

"Approximate Methods for Analysis of Non-Stationary Asynchronous Conditions in Electrical Systems."

Dissertation for the degree of Doctor of Technical Sciences
defended at the Moscow Power Engineering Institute, January 1963

Moscow, Elektrichestvo, No. 9 Sept 64 pp 94-95.

SHAKHNAZARYAN, Yu.M.

Electromagnetic power of a hydraulic generator under transition conditions. Izv. AN Arm. SSSR. Ser. tech. nauk 17 no.1:11-16'64 (MIRA 17:3)

1. Moskovskiy energeticheskiy institut.

SHAKHNAZARYAN, YU.M.

... oscillations of generator ... in complex electrical
... also synchronization of different generators and power
... Izv. AN Arm. SSR, Ser. tekhn. nauk 18 no. 4:3-9 '65.
(MIRA 18:9)

... Institute of ...

YAKOVLEV, A.I.; SHAKHMATOVA, N.G.

Morphological changes in the liver of rats under the influence
of prolonged introduction of aminazine. Farm. i toks. 26 no.5:
621-624 S-O '63. (MIRA 17:8)

1. Otdel farmakologii (zav. - chlen-korrespondent AMN SSSR prof.
M.D. Mashkovskiy) Vsesoyuznogo nauchno-issledovatel'skogo
khimiko-farmatsevticheskogo instituta imeni S. Ordzhonikidze.

ABELEVICH, L.; SHAKHNES, M.

Designs of automobile service stations. Avt. transp. 37 no.5:20-21
My '59. (MIRA 12:8)

(Service stations)

SHAKHYES, M., inzh.

Overhaul systems should be changed. Avt.transp. 38 no.7:
29 J1 '60. (MIRA 13:7)

(Motor vehicles--Maintenance and repair)

VINOGRADOV, Ye.I.; SHAKHNIN, N.P., red.

Device for planing lathe beds. Obm.tekh.opyt. [MLP] no.20:
6-7 '56. (MIRA 12:11)

(Planing machines)

KUDINOV, V.S.; SHAKHNIN, N.P., red.

Mechanizing the removal of ashes from the central boiler
house. Obm.tekh.opyt.[MLP] no.20:34-36 '56.

(MIRA 12:11)

(Ash disposal)

AUTHOR: Shakhnin, N.P. (Engineer) SOV/110-58-10-17/24

TITLE: Technological calculations in setting-up braiding machines.
(Tekhnologicheskiye raschety zapravok opletochnykh mashin.)

PERIODICAL: Vestnik Elektropromyshlennosti. 1958, No.10. pp. 68-71 (USSR)

ABSTRACT: Braiding machines are widely used in the cable industry to cover conductors or to make flexible braid. The features of braiding are first defined and the commoner braiding requirements are described. Examples are then given of calculations necessary when preparing a machine. One relates to the application of a certain kind of braiding to a wire 1 mm diameter. A further example determines the machine set-up for another particular case. Three other examples are given. There is 1 figure and 2 tables.

SUBMITTED: December 2, 1957

1. Braiding machines--Operation 2. Electric cables--Insulation
3. Mathematics

Card 1/1

SHAKHNIN, N.P., inzh.

Technical calculation of yarn for braids. Log. prom. 18 no.3:37-40
Mr '58. (MIRA 11:4)

(Braid)

SHAKHNIN, N.P.

Additional calculations for braided goods. Tekst. prom. 25 no.12:
49-51 D '65. (MIRA 19:1)

1. Rukovoditel' gruppy Gosudarstvennogo proyektного instituta No.1
po proyektiruvaniyu predpriyatiy po tekstil'nyy otasleyam promysh-
lennosti, Moskva.

KHOROSHAYA, Ye.S., kand. khim. nauk; KOROL'KOVA, K.D., mladshiy nauchnyy
sotrudnik; AL'TZITSER, V.S., mladshiy nauchnyy sotrudnik;
Prinimali uchastiye; YELISEYEVA, L.I.; ANYUTINA, N.S.; TUGOV,
I.I.; SHAKHNINA, L.V.

Rapid method for analyzing swollen rubber chips obtained in
the complex processing of worn-out tire treads. Nauch.-issl.
trudy VNIIPK no.14:170-177 '63. (MIRA 18:12)

SHAKHNO, I.V.

Chemical Abst.
Vol. 48 No. 4
Feb. 25, 1954
Analytical Chemistry

Gravimetric determination of lithium V. E. Pryshchev
and I. V. Shakhno (M. V. Lomonosov Inst. of Fine Chem.
Technol., Moscow, *Zhur. Anal. Khim.* 8, 293-8 (1953).
The soly. of Li, Na, and K chlorides in PrOH was studied
at $25 \pm 0.1^\circ$ at time intervals of 10 min. - 7 days. After 10
min. there was 11.78% Li, traces of Na, and no K. After 10
30 min. there was only 0.016% Na and traces of K. After 7
days there was Li 15.60, Na 0.00, and K 0.008%. In
similar expts. after 60 min. neither Na, K, Rb, Cs, nor Ba
taken as chlorides were found in PrOH, while the bulk of Li
dissolved in PrOH within 10-20 min. Based on these results
a method for detg. Li was worked out. Treat up to 0.8 g. of
the dry alk. chlorides with 15 ml. of PrOH satd. with dry
filter through a small filter into a Pt or quartz dish. If there
is more than 0.15 g. of Li repeat the extn. Treat the filter in
another dish with 5 ml. of solvent, filter through a fresh
filter, and rinse twice with 5 ml. of solvent. Evap. the com-
bined filtrates, transfer to a weighed Pt or quartz crucible,
evap. almost to dryness, convert to Li_2SO_4 , ignite at $650-700^\circ$, and weigh.

M. Hosh

7-13-54

SHAKHNO, I. V.

Investigation of the interaction of chlorides of the alkali
and alkaline earth elements in fusion. I. Ternary system
of sodium, rubidium, and calcium chlorides. V. E. CH
Plyushchey, E. V. Kovalev, and I. V. Shakhno, J. Gen.
Chem. U.S.S.R. 25, 821-6(1955)(Engl. translation).—See
L. A. 49, 15424a. B. M. R.

(2)